

Hydrogel biomaterials in focus : new polymeric biomaterials and their possible utility in ophthalmology

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Stellingen
behorende bij het proefschrift
Hydrogel Biomaterials in Focus
door
Monique J. Bruining

1. Biocompatibele hydrogelen zullen een steeds belangrijkere rol gaan spelen als klinische biomaterialen.
European Journal of Pharmaceutics and Biopharmaceutics 2000, **50**, 27.
2. De voorspellende waarde van elk *in vitro* biocompatibiliteits-assay is beperkt.
Biological Molecules in Nanotechnology, the Convergence of Biotechnology, Polymer Chemistry and Material Science 1998 *International Bussiness Communications Inc.*, 173 – 183; *Journal of Biomaterials Applications* 1993, **8**, 106.
3. Gecrosslinkte polymeren gebaseerd op methacrylaten, kunnen goed toegepast worden als matrices in gecontroleerde medicijn afgifte systemen.
Hoofdstuk 2 en 3 in dit proefschrift.
4. Systemen voor lokale afgifte van medicijnen omzeilen systemische bijwerkingen.
Journal of Controlled Release 1999, **61**, 21.
5. Het toevoegen van anorganische zouten of oxides aan orthopedisch botcement is een niet-optimale methode om het cement Röntgen-contrast te geven.
Transactions of the 25-th Meeting of the Society for Biomaterials 1999, 316.
6. De gangbare procedures voor de explantatie van geïsoleerde osteosynthese fixatie-schroeven kunnen aanmerkelijk verbeterd en versneld worden.
Medical Device Technology 1999, **9**, 38.
7. Basisprincipes met betrekking tot stroming en stofoverdracht maken duidelijk dat stolling aan het oppervlak van medical devices die tijdelijk in de bloedbaan worden gebracht, zoals catheters en voerdraden, het best bestreden kan worden door gecontroleerde afgifte van een anti-stolmiddel, zoals heparine, vanaf het oppervlak van het device.
Circulation 1996, **94**, 1563; *Annals of Biomedical Engineering* 1998, **26**, 50.
8. Niets is krommer dan recht.
9. Newconomy kon nie.
10. Zwangere vrouwen maken goede promovendi.
11. Promovendi bedenken zelden hun eigen stellingen.